Automata and formal languages

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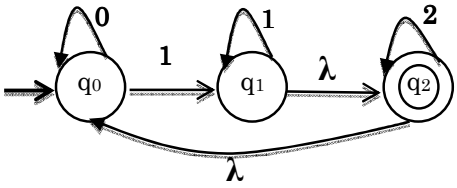
1. **For the input alphabet $\{0,1\}$, construct a λ-NFA accepts the following language: the set of all strings such that each string should start by 0 and there is no two consecutive 1's.**

2. **For the λ-NFA**



Construct the equivalent NFA.

3. **Construct three λ-NFA's equivalent to the following regular expression:**

   a. **10 + (0+11) 0*1**
   b. **01[((10)* + 111)* + 0]*1**
   c. **01*0 + 01*10* + 1*0***